

MANUFACTURE OF ACTIVATED CARBON AND ITS APPLICATION
TO AIR, WATER, AND NUCLEAR POLLUTION CONTROL

by

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ABSTRACT

Activated Carbon in the United States is mainly made by the steam activation process and important variables in the manufacture and resulting end properties are considered particularly temperature, gas mixtures, and residence time. Economic of granular activated carbon pollution control is primarily dependent on the adsorption properties, both static and dynamic, and the various variables affecting the mass transfer characteristics are illustrated. Practical use of granular activated carbon generally will require on site regeneration and the knowledge of working capacity with various regeneration techniques (furnace, heated solvents, internal, chemical and biological) are required for the most efficient plant design. Size and growth of various end use areas are reviewed.